

Wireless Broadband Internet Audio System

MC-i250



Read this manual first!

Congratulations on purchasing this Philips product. We've included everything you need to get started. If you have any problems, Philips Representatives can help you get the most from your new product by explaining:

- Hookups,
- First Time Setup, and
- Feature Operation.

Do not attempt to return this product to the store.

For fast help, call us first!

1-800-531-0039

Thank you for making Philips a part of your home!



**For more information on Streamium,
go to:**

<http://My.Philips.com>

PHILIPS

Canada

English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français:

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-inclues peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN

El uso de mando o ajustes o la ejecución de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.



UPGRADEABLE

As new services and features are continuously added to this product through our online upgrades, the documentation included may not be up-to-date. Please refer to My.Philips.com for the most recent information.



MISES À NIVEAU

De nouveaux services et de nouvelles fonctions sont ajoutés régulièrement à ce produit par nos mises à niveau en ligne; par conséquent, il se peut que la documentation fournie ne soit pas mise à jour. Reportez-vous à My.Philips.com pour les informations les plus récentes.



ACTUALIZABLE

Como se añaden continuamente nuevos servicios y funciones a este producto a través de nuestras actualizaciones en línea, es posible que la documentación adjunta no esté al día. Para obtener la información más reciente, consulte My.Philips.com.



MC-i250 Streamium



PHILIPS

12NC : 3139 115 22192

Quick Use Guide



This Quick Use Guide gives a rough overview and helps to quickly start with basic steps. Please read the supplied instruction manual for detailed information.

General Requirements

For online music services (INTERNET):

- Ethernet-based broadband Internet access (cable/DSL)
- Working email address

For PC Link:

- PC within the same network as MC-i250 (IP addresses of PC and set have to be in same subnet)
- PC Link software installed (can be downloaded from http://MyPhilips.com)

Registration

To activate the online features of MC-i250, you have to register your set after completing the Prerequisites for Setup and Connecting Streamium MC-i250.

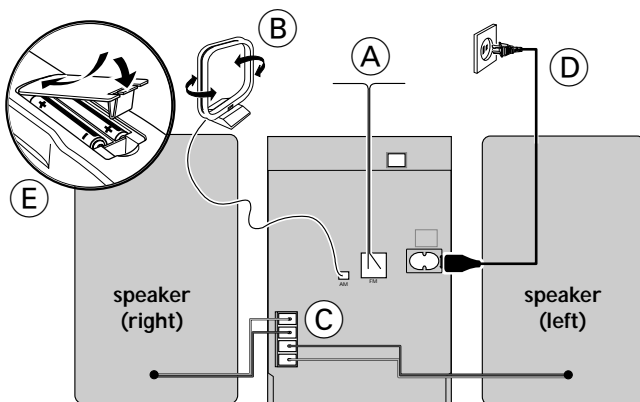
- 1 Enter your email address (using the remote control) on the set and press OK/PLAY (right arrow).
2 After a short moment you will receive an e-mail at the entered address. Create your account with http://MyPhilips.com and activate music services by following the instructions received in that e-mail.

Prerequisites For Setup

1 Basic audio connection

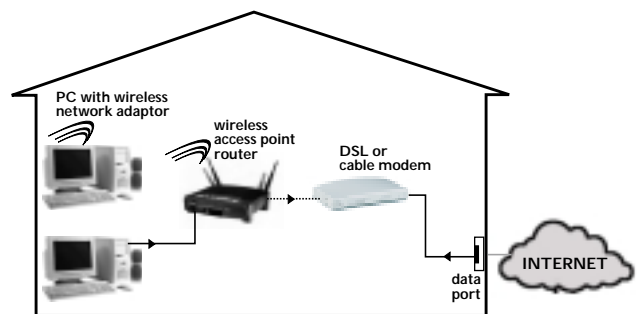
- A FM wire antenna
B AM loop antenna
C Speakers
D Power cord
E Insert batteries into remote control.

You can now already listen to music from the sources TUNER and CD!



2 Home network connection

Connect your PC, (wireless) gateway router and broadband modem (cable/DSL) according to the router's setup instructions.



3 Configure your home network

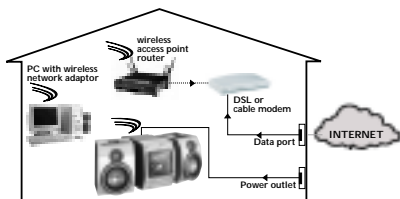
Follow the directions specified in your router's manual and make sure that the PC's Internet connection is installed properly and working. If you have problems with the setup of the Internet connection, contact your networking equipment manufacturer or Internet Service Provider.

IMPORTANT!

Do not connect the Streamium MC-i250 to the home network before the internet connection of a connected PC through the router is working.

Connecting Streamium MC-i250

↻ For wireless operation (Wi-Fi, 802.11b):

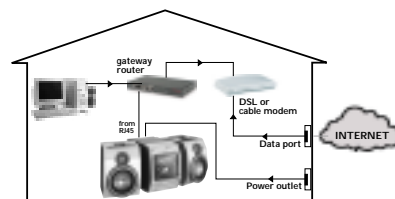


- 1 If there is no networking cable plugged into the set at the first setup, you will be asked whether you want to use wired (Ethernet) or wireless (WiFi) operation. Choose Wireless. For any further connection, the set will start up in the operation mode last used. This setting can be changed at any later point in time in the 'SET OPTIONS' menu under 'SELECT NETWORK'.
- 2 You will be asked to choose between 'Infrastructure' or 'Ad-hoc' operation mode. If you want to use a wireless access point (Infrastructure mode - recommended), select accordingly. If you select "NO", MC-i250 will try to establish a direct connection to a wireless network adapter (Ad-hoc mode).
- 3 You will be asked to enter the network name (ESSID). Enter this case-sensitive name, using the remote control.
- 4 You will be asked to select the network channel number. If you use an access point (infrastructure mode), choose the used channel or type in "0" for automatic detection. This process will take a short while. If you do not use a wireless access point (Ad-hoc mode), use the soft keys to select the used channel.
- 5 You can choose to use WEP encryption. If you choose 'YES', you will be asked to enter up to four encryption keys. The first key will be used as the outgoing key. The outgoing key can be defined at any later point in time in the 'SET OPTIONS' menu under 'ENCRYPT CONFIG'.

Notes:

- You can use ASCII or HEX encryption keys, but all have to be the same length.
- When the wireless connection is established, you still might have to configure the network settings (please see network settings of wired operation).

↻ For wired operation (Ethernet):



After the Internet connection of a PC in the home network has proven to be working, connect the MC-i250 to the gateway router with the supplied cable. Press **INTERNET**.

The Streamium MC-i250's network settings are by default set to 'DHCP' (dynamic IP addressing) and 'NO PROXY'. When your router is configured as a DHCP server and your ISP does not use a proxy, the set should automatically establish a connection to the Internet.

For Static IP addressing, enter the following information:

IP address _____
 default gateway _____
 subnet mask _____
 DNS 1 _____
 DNS 2 _____

Example: to enter the IP address 164.23.5.114, use the remote control to key in :

164.023.005.114

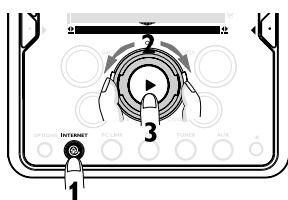
If your ISP uses a proxy server, you will have to enter the proxy name and proxy port.

Proxy name _____
 Proxy port _____

As soon as you are asked to enter your email address on the screen, your set has successfully established a connection to the Internet. **To activate the online features of MC-i250, you still have to complete the registration (see first page).**

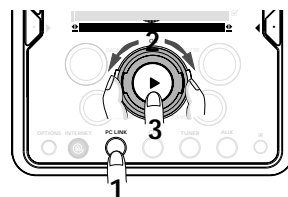
Playing music from online music services

- 1 Press **INTERNET**.
- 2 Browse through music services with Navigation Jog.
- 3 Press **OK/PLAY** (▶) to select and start choices.



Playing MP3-music-files from the computer's hard drive

- 1 Press **PC LINK**.
- 2 Browse and select PC's, folders and tracks with Navigation Jog.
- 3 Press **OK/PLAY** (▶).

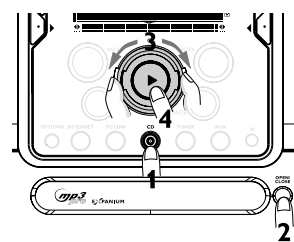


Note: Before you can use this music source,

- 1) You have to switch on your PC and connect it to the network.
- 2) You have to download and install the PC LINK PC application from "http://My.Philips.com".

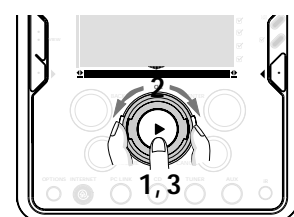
Playing a CD/MP3-CD in the CD drive

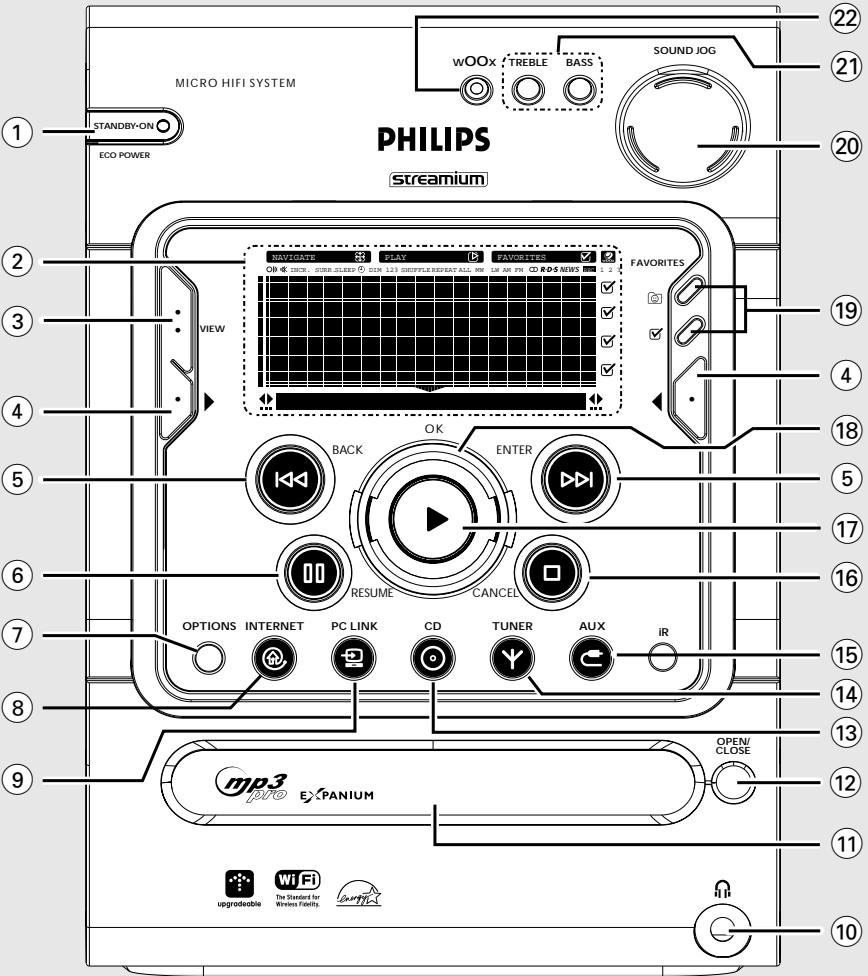
- 1 Press **CD**.
- 2 Press **OPEN/CLOSE** and insert a CD or MP3-CD into the tray. Close the drawer by pressing **OPEN/CLOSE** again.
- 3 Select track with Navigation Jog.
- 4 Press **OK/PLAY** (▶) to start playback.



Playing FM/AM radio stations

- 1 In standby mode, press and hold **OK/PLAY** (▶) on the system until "PRESS PLAY TO INSTALL TUNER" is displayed. Press **OK/PLAY** (▶) again to install all available radio stations.
- 2 Use the Navigation Jog to scroll through the list of radio stations.
- 3 Press **OK/PLAY** (▶) to select the radio station.





Return your **Warranty Registration** card today to ensure you receive all the benefits you're entitled to.

- Once your Philips purchase is registered, you're eligible to receive all the privileges of owning a Philips product.
- So complete and return the Warranty Registration Card enclosed with your purchase at once, and take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Philips warranty.

Owner Confirmation


Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.


Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Know these *safety* symbols



 This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.



PHILIPS

***Congratulations on your purchase,
and welcome to the "family!"***

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome – and thanks for investing in a Philips product.

Sincerely,

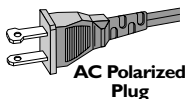
Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

IMPORTANT SAFETY INSTRUCTIONS


1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug.



A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12.  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Battery usage **CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

- Install **all** batteries correctly, + and - as marked on the unit.
- Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
- Remove batteries when the unit is not used for a long time.

EL 6475-E004: 02/8

Class II equipment symbol



This symbol indicates that the unit has a double insulation system

English 8

Français 44

Español 80

English

Français

Español

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Limited Warranty

About MC-i250

Philips Streamium MC-i250 is a wireless broadband internet audio system. It is compliant with the IEEE 802.11B specification, which is, known under the name WiFi™. WiFi™ is the leading wireless industry standard for broadband networking, and delivers, depending on your environment, bandwidth of up to 11 Mbps over distances up to 100 meters.

MC-i250 allows you to enjoy the massive benefits of broadband entertainment in locations of your house which do not have a wired network connection. MC-i250 has its own MAC address and needs its own IP address to operate properly.

General requirements :

for Online music services

- Ethernet-based broadband Internet access (cable/DSL).
- Working e-mail address.

Note:

- *Please consult your Internet Service Provider on the feasibility of connecting multiple devices to your Internet connection.*

for PC Link

- PC within the same network as MC-i250 (IP addresses of PC and set have to be in same subnet).
- PC Link software installed (can be downloaded from "<http://My.Philips.com>").

Useful tips to help you get the best wireless performance

- The best place to put your wireless access point is as close as possible to the center of the area that you want to cover:
- Position your wireless access point's antenna(s) vertically.
- Keep antenna(s) away from large metal objects to avoid interference.
- Avoid placing MC-i250 directly under the wireless access point.
- Refer to the signal bar strength indication (from 'Wireless information') to locate the best position for placing the MC-i250.

About MP3

Supported formats

- MP3PRO, MP3
- ISO9660, Joliet, Multisession
- Supported sampling frequencies : 16, 22.05, 24, 32, 44.1, 48 (kHz)
- Supported Bit-rates of MP3 disc are: 32–256 (kbps) and variable bit-rate

Making your own MP3-CD

- 1 Copy the music from your own Digital Audio CDs or download legal MP3 music from the Internet.
- 2 Record ("burn") the music on a CD-R(W) disc with your home PC. Make sure to use a recording speed not faster than indicated on the CD-R(W) and avoid running other programs simultaneously on your PC during the recording process.

Sound Quality

Take note that MP3-CD compilations should best contain only MP3 tracks (.mp3).

To achieve a good MP3 quality, a bit rate of 128 kbps or higher is recommended.

This system complies with the FCC rules, Part 15 and with 21 CFR 1040.10.

Operation is subject to the following two conditions:

- *This device may not cause harmful interference, and*
- *This device must accept any interference received, including interference that may cause undesired operation.*

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

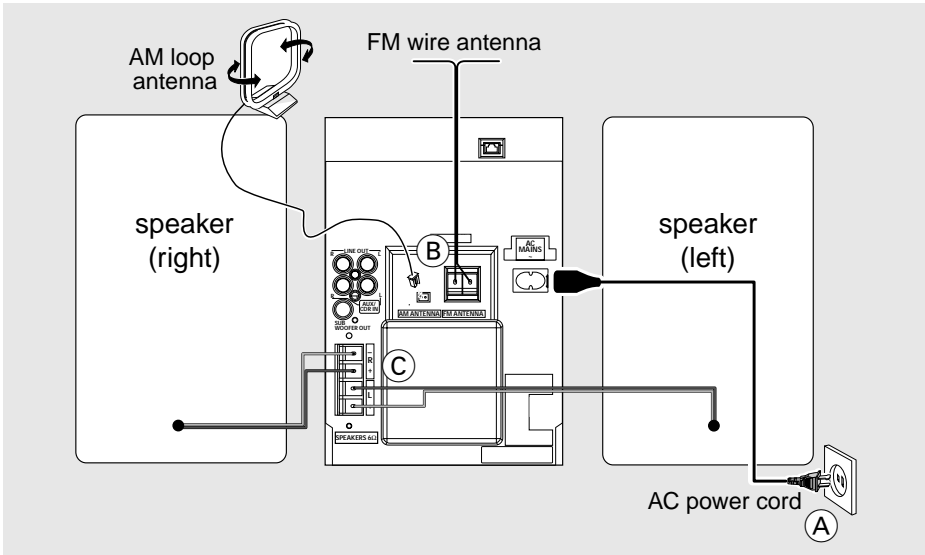
Supplied accessories

- 2 speaker boxes
- Remote control
- Batteries (two AA size) for remote control
- AM loop antenna
- FM wire antenna
- AC power cord
- Category 5 Ethernet cable

Safety information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the system on a flat, hard and stable surface.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.
- Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the system. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.
- **When the system is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**

Preparations



Rear connections

The *type plate* is located at the rear of the system.

A Power

Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.

WARNING!

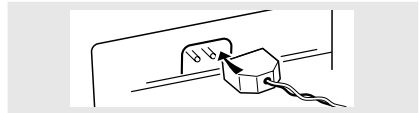
- For optimal performance, use only the original power cable.
- Never make or change any connections with the power switched on.

To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it (not available for some versions).

B Antennas connection

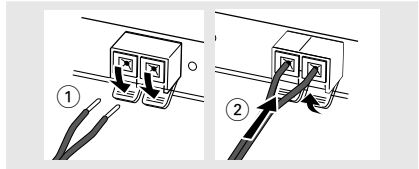
Connect the supplied AM loop antenna and FM antenna to the respective terminals. Adjust the position of the antenna for optimal reception.

AM Antenna



- Position the antenna as far as possible from a TV, VCR or other radiation source.

FM Antenna

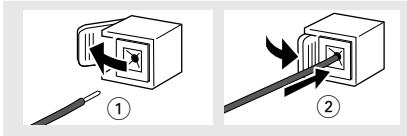


- For better FM stereo reception, connect an outdoor FM antenna to the FM ANTENNA terminal.

Ⓒ Speakers connection

Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "R" and left speaker to "L", colored (marked) wire to "+" and black (unmarked) wire to "-".



- Fully insert the stripped portion of the speaker wire into the terminal as shown.

Notes:

- To avoid magnetic interference, do not position the front speakers too close to the PC monitor/TV.
- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of + / - speaker terminals.
- Do not connect speakers with impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Optional connections

The optional equipment and connecting cords are not supplied. Refer to the operating instructions of the connected equipment for details.

Analog audio connections

AUX/CDR IN (R/L)

Use a cinch cable to connect these terminals to the analog audio out terminals of an external equipment (TV, VCR, Laser Disc player, DVD player or CD Recorder), for listening to this source.

LINE OUT (R/L)

Use a cinch cable to connect these terminals to the analog audio inputs of any analog audio equipment (amplifier/receiver or tape recorder, for example), for playback or performing analog recording.

Notes:

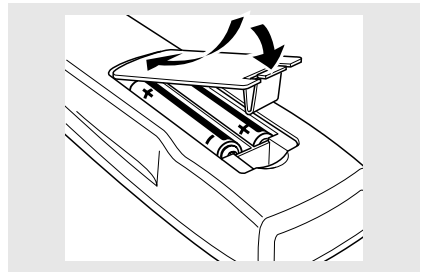
- Do not connect equipment to both the LINE OUT and AUX/CDR IN terminals at the same time. Otherwise, noise will be generated and malfunction might occur.
- If you are connecting equipment with a monaural output (a single audio out terminal), connect it to the AUX/CDR IN left terminal. Alternatively, you can use a "single to double" cinch cable (the output sound will still remain mono).

Subwoofer out connection

Connect the subwoofer to the **SUBWOOFER OUT** terminal. The subwoofer reproduces just the low bass sound effects (explosions or the rumble of spaceships, for example).

Inserting batteries into the remote control

Insert two batteries (type R06 or AA) into the remote control with the correct polarity as indicated by the "+" and "-" symbols inside the battery compartment.



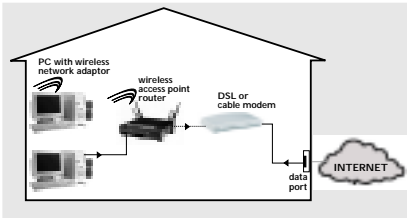
CAUTION!

- Remove batteries if they are exhausted or will not be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so dispose of them properly.

Preparations

Prerequisites for home network setup

- 1 Connect your PC, (wireless) gateway router and broadband modem (cable/DSL) according to the router's setup instruction.
- 2 Configure your home network following the directions specified in your router's manual and make sure that the PC's Internet connection is installed properly and working. If you have problems with the setup of the Internet connection, contact your networking equipment manufacturer or Internet Service Provider.

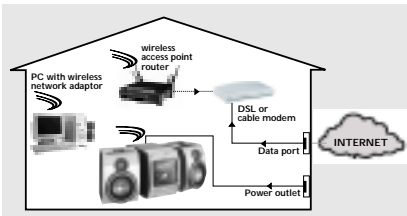


IMPORTANT!

Do not connect the Streamium MC-i250 to the home network before the Internet connection of the connected PC through the router is working.

Connecting Streamium MC-i250 to your home network

For wireless operation (WiFi, 802.11b)

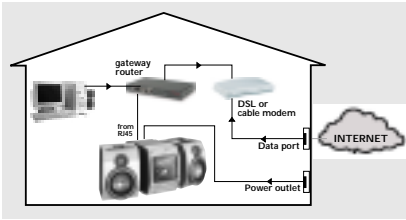


- 1 If there is no networking cable plugged into the set at the first setup, you will be asked whether you want to use wired (Ethernet) or wireless (WiFi) operation. Choose Wireless. For any further connection, the set will start up in the operation mode last used. This setting can be changed at any later point in time in the 'SET OPTIONS' menu under 'SELECT NETWORK'.
- 2 You will be asked to choose between 'Infrastructure' or 'Ad-hoc' operation mode. If you want to use a wireless access point (Infrastructure mode - recommended), select accordingly. If you select "NO", MC-i250 will try to establish a direct connection to a wireless network adapter (Ad-hoc mode).
- 3 You will be asked to enter the network name (ESSID). Enter this case-sensitive name, using the remote control.
- 4 You will be asked to select the network channel number: If you use an access point (infrastructure mode), choose the used channel or type in "0" for automatic detection. This process will take a short while. If you do not use a wireless access point (Ad-hoc mode), use the soft keys to select the used channel.
- 5 You can choose to use WEP encryption. If you choose 'YES', you will be asked to enter up to four encryption keys. The first key will be used as the outgoing key. The outgoing key can be defined at any later point in time in the 'SET OPTIONS' menu under 'ENCRYPT CONFIG'.

Notes:

- All the characters shown on the system's display screen are in capital letter. The case-sensitive is determined by the size of character, for example "e" will be shown as "E" in a smaller size.
- You can use ASCII or HEX encryption keys, but all have to be the same length.
- When the wireless connection is established, you still might have to configure the network settings (please see network settings of wired operation).

For wired operation (Ethernet)



After the Internet connection of a PC in the home network has proven to be working, connect the MC-i250 to the gateway router with the supplied cable. Press **INTERNET**.

The Streamium MC-i250's network settings are by default set to 'DHCP' (dynamic IP addressing) and 'NO PROXY'. When your router is configured as a DHCP server and your ISP does not use a proxy, the set should automatically establish a connection to the Internet.

If your home network uses static IP addressing, you will have to set a static IP address, network mask, default gateway and two DNS servers. This information can be obtained from your ISP. Also, if your ISP uses a proxy server, you will have to enter the proxy name and proxy port.

Information you might need for setup (can be requested from your ISP):

- Does the network use static or dynamic (DHCP) IP addressing?
→ In DHCP, an IP address is automatically assigned to the set. In static IP mode, the information mentioned above has to be entered using the remote control.
- Does the ISP use a proxy?
→ If yes, what is the proxy name and proxy port?
- Does the ISP only allow registered devices to use DHCP?
→ If yes, you might have to tell the ISP the set's MAC address (can be found in 'SET OPTIONS' under 'NETWORK INFO').

As soon as you are asked to enter your email address on the screen, your set has successfully established a connection to the Internet. To activate the online features of MC-i250, you still have to complete the registration.

Registration

- 1 Enter your email address (using the remote control) on the set and press **OK/PLAY** (▶).
- 2 After a short moment you will receive an e-mail at the entered address. Create your account with "<http://My.Philips.com>" and activate music services by following the instructions received in that e-mail.
 - Use the numerical/alphabetical keypad on the remote control to enter your e-mail address.
 - To delete a character, press **◀◀** to move the cursor backward.
 - To exit the registration mode without storing, press **■**.
 - Press **OK** (▶) to confirm your entry. Your registration confirmation details will be e-mailed to you.
 - Registration is only available for the default user.

Controls on the system and remote control

① STANDBY ON / ECO POWER

- to switch the system on (on the system only).
- to switch the system to standby mode.
- hold down to switch the system to Eco Power standby mode.

② Display screen

- to view the current status of the system.

③ VIEW

- to switch to navigation or play view.

④ ▶▶ (soft keys)

- to select from the available choices on the bottom line of the screen.

⑤ BACK ◀◀ / ENTER ▶▶

- for CD, INTERNET, PC LINK (play view) to skip to the beginning of the current, previous, or next track.
- hold down to search backward/forward.
- for Tuner (play view) ... to tune to a lower or higher radio frequency.
- for Clock to change between hour and minutes field.

⑥ II (RESUME)

- to interrupt or resume playback.

⑦ OPTIONS

- to modify source/service settings.

⑧ INTERNET

- to connect to an internet audio service.

⑨ PC LINK

- to access MP3 files stored on home network's PC.

⑩

- to connect headphones.

⑪ Disc tray

⑫ OPEN/CLOSE

- to open or close the disc tray.

⑬ CD

- to enter CD mode.

⑭ TUNER

- to enter tuner mode or select waveband (FM or AM).

⑮ AUX

- to select the input for an additional appliance.

⑯ ■ (CANCEL)

- for CD to stop playback.
- for Tuner to stop programming.
- for Clock to exit clock setting or cancel timer.
- for Plug & Play... to exit plug & play mode.

⑰ ▶ (OK)

- to start playback.
- to confirm the selection.
- to initiate and start plug & play mode.

⑱ Navigation jog (▲ / ▼)

- for CD, INTERNET, PC LINK... to scroll through a list.
- for Tuner to select a favorite radio station.
- for Clock to set the hours and minutes.

⑲ FAVORITES (📌)

- for CD, PC LINK, INTERNET ... to switch to the favorites list of the selected mode.
- for Tuner hold down to auto program radio stations.

(UN)MARK

- to select and add an item to a favorite list.
- to delete an item from a favorite list.
- hold down to delete the complete favorites.

⑳ SOUND JOG (VOLUME + / -)

- to increase or decrease volume.
- (*on the system only*) to increase or decrease the low or high tone level for the respective BASS or TREBLE sound feature selected.

㉑ BASS / TREBLE

- to select BASS or TREBLE sound feature.

BASS / TREBLE + / - (*on the remote control*)

- to increase or decrease bass or treble level.

22 wOOx

- to select the next wOOx level or switch off wOOx sound effect.

23 ◀ / ▶

- for CD, INTERNET, PC LINK (play view) to skip to the beginning of the current, previous, or next track.
- for Tuner (play view) ... to select a favorite radio station.
- for Clock to change between hour and minutes field.

24 ◀◀ / ▶▶

- for CD (play view) ... to search backward/ forward.
- for Tuner to tune to a lower or higher radio frequency.
- used as a soft keys, to select from the available choices on the bottom line of the screen.

25 USER

- to select an active user.

26 INFO!

- to request on-line information about currently playing item through e-mail (if available).

27 CLK/TIMER

- to display or set the clock/timer.

28 TIMER ON/OFF

- to activate or deactivate the timer function.

29 SHUFFLE

- to playback all tracks/favorites in random order.

30 REPEAT

- to playback track/ disc/ favorites repeatedly.

31 INCR. SURR.

- to activate or deactivate the surround sound effect.

32 SLEEP

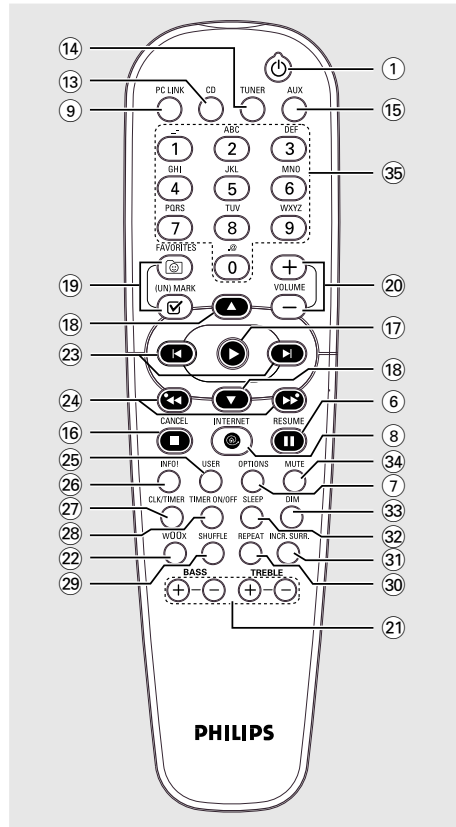
- to activate, deactivate or set the sleep timer function.

33 DIM

- to select different brightness for the display screen : DIM 1, DIM 2, DIM 3 or DIM OFF.

34 MUTE

- to interrupt or resume sound reproduction.



35 DIGITS 0 – 9

(numbers consisting more than two figures must be keyed in within 2 seconds.)

for CD, INTERNET, PC LINK ... to select a track.

for OPTIONS... for text/number editing.

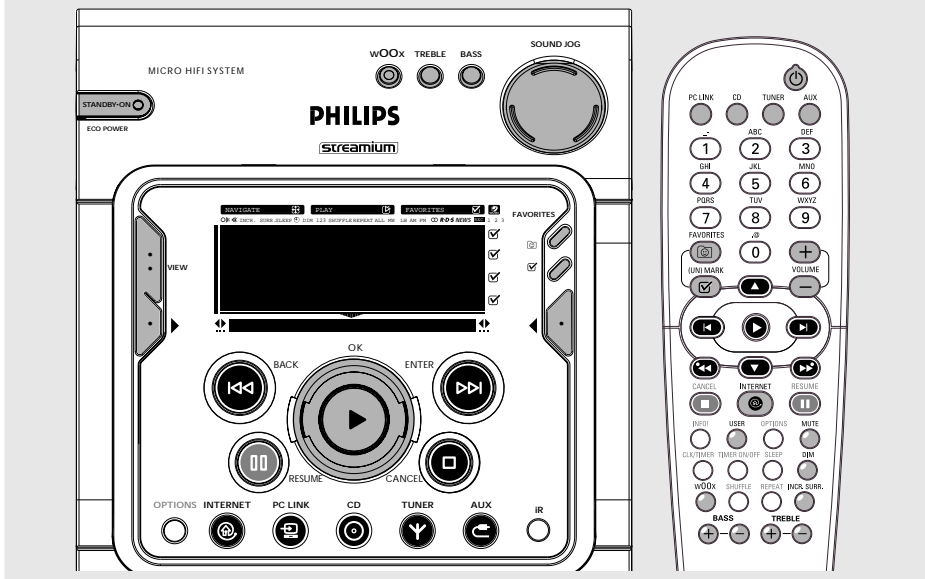
for Tuner to select a favorite radio station.

Notes for remote control:

- First, select the source you wish to control by pressing one of the source select keys on the remote control (CD or TUNER, for example).

- Then select the desired function (▶, ◀, ▶▶ for example).

Basic Functions



IMPORTANT!

Before you operate the system, complete the preparation procedures.

Plug and Play

Plug and Play allows you to store all available radio stations automatically.

First time setup/power up

- 1 When you turn on the power supply, "PRESS PLAY TO INSTALL TUNER" is displayed.
- 2 Press ► to start installation.
 - "INSTALLING TUNER" is displayed, followed by "AUTO PROGRAM IN PROGRESS...".
 - All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by AM band.
 - When all the available radio stations are stored or the memory for 40 presets is used, the last preset radio station will be played.

To reinstall Plug and Play

- 1 In standby mode, press and hold ► until "PRESS PLAY TO INSTALL TUNER" is displayed.
- 2 Press ► again to start installation.
 - All previously stored radio stations will be replaced.

To exit without storing the Plug and Play

- Press ■.
 - If you do not complete the Plug and Play installation, the function will be restarted when you next turn on the power supply again.

Notes:

- When the power is turned on, the disc tray may open and close to initialize the system.
- If no stereo frequency is detected during Plug and Play, "PLEASE CHECK ANTENNA" is displayed.

Switching the system on


In standby mode

- Press **STANDBY ON** to switch on the last selected source.
- Press **PC LINK, INTERNET, CD, TUNER,** or **AUX** to select the desired source.


In Eco Power Standby mode

- Press **STANDBY ON** on the system.
- Press **PC LINK, CD, TUNER, INTERNET** or **AUX** on the remote control.

Switching the system to standby mode

- Press **STANDBY ON** (or  on the remote control).
→ The clock will appear on the display when the system is in standby mode.

Switching the system to Eco Power standby mode (<0.5W)

- Press and hold **STANDBY ON** (or  on the remote control) for more than **three seconds**.
→ "**ECO POWER MODE**" is displayed, then the display screen will go blank.
→ The low power LED will be lighted.

Power saving automatic standby

As a power-saving feature, the system will automatically switch to Standby mode if you do not press any buttons within 30 minutes after a disc has stopped playing.

Dim mode

You can select the desired brightness for the display.


- Press **DIM** on the remote control repeatedly to select DIM 1, DIM 2, DIM 3 or DIM OFF display mode.
→ **DIM** and the corresponding dim level will appear on the display, except for DIM OFF mode.

| DIM mode | LEDs |
|----------|------|
| 1 | on |
| 2 | on |
| 3 | off |
| OFF | on |

Volume control

Adjust **SOUND JOG** (or press **VOLUME** $+$ / $-$ on the remote control) to increase or decrease the volume level.
→ "**-XX dB**" is displayed. "**XX**" denotes the volume level.

To listen through the headphones

- Connect the headphones plug to the  socket at the front of the system.
→ The speakers will be muted.

To switch off the volume temporarily

- Press **MUTE** on the remote control.
→ Playback will continue without sound and "**MUTE ON**" is displayed.
- To restore the volume, press **MUTE** again or increase the volume level.

Basic Functions

Sound control

For optimal sound listening, you are only able to select **BASS/TREBLE** or **wOOx** at a time.

wOOx

There are three wOOx settings to enhance the bass response.

- Press **wOOx** repeatedly to select the next wOOx level or switch the wOOx effect off : wOOx 3, wOOx 2, wOOx 1 or wOOx OFF.
→ **wOOx** and the corresponding wOOx level will appear on the display, except for wOOx OFF mode.

Notes:

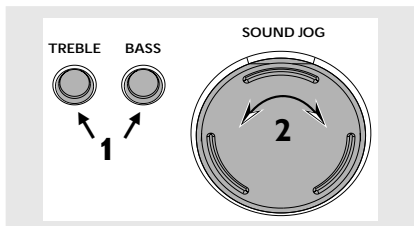
- When switched off the wOOx effect, the last Bass/Treble will resume automatically.
- Some discs might be recorded in high modulation, which causes a distortion at high volume. If this occurs, deactivate wOOx or reduce the volume.

Bass/Treble

The **BASS** (low tone) and **TREBLE** (high tone) feature enables you to define the sound-processor settings.

- Press **BASS +/–** or **TREBLE +/–** on the remote control repeatedly to select the next Bass or Treble level.

OR



- 1 Press **BASS** or **TREBLE** on the system to select Bass or Treble sound feature.
- 2 Adjust **SOUND JOG** on the system to select the desired Bass or Treble level.
→ "**BASS LEVEL XX**" or "**TREBLE LEVEL XX**" is displayed. "**XX**" denotes the level as follows :

MIN → **-2** ... → **0** ... → **+2** → **MAX** ...

Notes:

- The sound jog can be used to adjust Bass/Treble level immediately after you have selected the respective Bass/Treble sound feature. If the sound jog is not used within five seconds, it will become normal volume control function.
- The Bass/Treble mode will exit automatically if wOOx feature selected.

Incredible Surround

The Incredible Surround magnifies the virtual distance between the front speakers for an incredibly wide, enveloping, stereo effect.

- Press **INCR. SURR.** on the remote control repeatedly.
→ If activated, **INCR. SURR.** is shown.
→ If deactivated, "**INCR. SURR. OFF**" is displayed.

Screen display

The system has two main screen display views – NAVIGATION and PLAY.

Navigation view

Allows you to navigate through the contents of the currently selected source/service.

In some cases, there may exist more than one level of navigation. For example, selecting an item in the existing list may further generate a sub-list of the selected item.

">" – indicates level 2 sub-list

"...>" – indicates any level lower than level 2



Play view

When **OK** (▶) is pressed on a highlighted item within navigation view, the device switches to Play view and will start playing the item. The display content in Play view varies for each source/service.

You may switch back to Navigation view while music is playing to make your next selection.



Switching between Navigation view and Play view

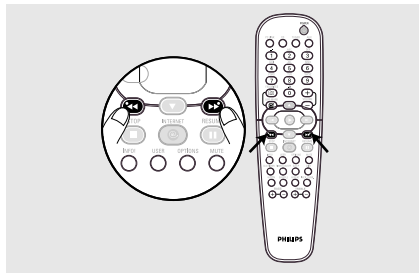
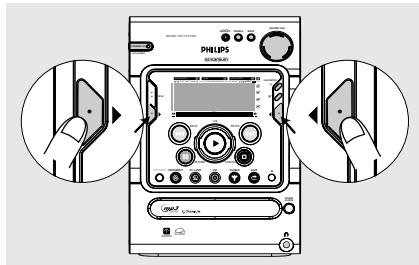
- Press **VIEW** on the system.

Using the soft keys

Each source/service has different sort modes. For example, the sort modes when playing back an MP3CD are ALBUM, PLAYLIST, ARTIST and TRACK. (only some of the modes may be available, depending on the disc)



The "◀" or "▶" at the bottom right or left hand corner of the screen indicates that there is more information to be viewed.



To select from choices on the bottom line of the display

- Use the left hand soft key (▶) or right hand soft key (◀) on your system (◀◀ / ▶▶ on the remote control).

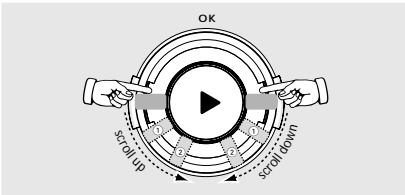
Basic Functions

Scrolling

All lists in navigation view are sorted in alphabetical or numerical order.

To scroll through a list

- Adjust the navigation jog clockwise to scroll down or counterclockwise to scroll up. There are two scrolling speeds : ① slow and ② fast.



- ① Enables you to skip forward/backward to an item on the list.
- ② Enables you to skip forward/backward by several items on the list.

Connecting to your PC (PC LINK)

This feature allows you to stream your favorite MP3 music from your PC via the home PC's network. In order to enjoy the PC Link, you have to install the PC Link PC application. This application can be downloaded from "http://My.Philips.com".

- 1 Press **PC LINK**.
 - "SEARCHING..." is displayed.
 - If no PC is found within 30 seconds, an error message "NO PC'S FOUND" is displayed. Check your network setup.
 - If PCs are found, the names of the servers are displayed. Select the preferred server by pressing **OK** (▶).
- 2 Use the navigation jog to navigate and press **OK** (▶) to enter/play a desired item.

Note:

- PC Link favorites are not user specific.
- The same PC Link server will always have the same favorites.

Connecting to online music services

The INTERNET feature is not a source/service by itself. It works with on-line services such as Internet radio stations to get access to music. The services offer different types of Internet audio content, that can be categorized by GENRE, REGION, LANGUAGE, PERSONAL, STATION, etc..

- 1 Press **INTERNET**.
 - A list of on-line services is displayed.



- If unsuccessful, "DID NOT CONNECT. PLEASE TRY AGAIN LATER" is displayed.
- 2 Use the navigation jog (or press ▲ / ▼ on the remote control) to select a music service provider and then press **OK** (▶) or **ENTER** (▶▶) to enter the service.
 - The system will start connecting to the service and "LOADING..." is displayed
 - When connection is established, the system will show a list of available internet music services or subcategories.
 - 3 To enter a subcategory, press **OK** (▶) or **ENTER** (▶▶). To start playing a certain music service, press **OK** (▶). To go back to a higher level or leave a music service, go to navigation view by pressing **VIEW** or using navigation jog and press **BACK** (◀◀).
 - If there are sort modes for the music services available, they will be shown on the bottom line of the display. You can change the sort mode by pressing the soft keys (▶) or (◀).

Notes:

- Only Stations can be marked as a favorite.
- Each user can have its own favorites.

Set options

An option menu exists for each source/service except for TUNER and AUX. The available option menus are detailed within the respective source/service sections in this manual.

- 1 Press **INTERNET** followed by **OPTIONS**.
- 2 Press the soft key (⏏) on the system to select **"SET"**.
 - Below are some possible options :
 - SELECT USER
 - SELECT NETWORK
 - NETWORK CONFIG
 - WIRELESS CONFIG
 - ENCRYPT CONFIG
 - PROXY CONFIG
 - WIRELESS INFO
 - NETWORK INFO
 - PRODUCT INFO
 - ONLINE UPGRADE
 - RESET SETTINGS

Note:

– This option list may be extended or changed if new services become available.

- 3 Use the navigation jog (or press ▲ / ▼ on the remote control) to select the desired set options and press **OK** (▶) to confirm.

Select User

The user menu displays the available account(s) for easy selection. Select a user account to retrieve user specific favorites within a source/service.

Select Network

This option allows to choose between wireless and Ethernet operation mode.

Network Configuration

Depending on the type of Internet connection you have, "DHCP" or "STATIC" must be selected to enable your system to connect to the Internet. Check with your service provider to obtain the correct IP mode.

For users whose systems are set to "STATIC" mode, the following additional input fields have to be completed :

- SET IP
- SET NETMASK
- SET GATEWAY
- SET DNS 1
- SET DNS 2

Check with your service provider and enter the necessary connection settings for these options.

Note:

– The change of network configuration is only necessary if your system does not work with the default configuration.

Wireless Configuration

This feature allows you to configure the wireless setup.

The following settings have to be completed depending on your access point setup :

- Wireless mode : Infrastructure or Ad-hoc
- ESSID (case-sensitive)
- Channel configuration

Encryption Configuration

ENCRYPT CONFIG allows to enable/disable WEP encryption for wireless operation mode.

If enabled, the user is asked to enter the encryption keys and to choose the outgoing key (set sending key).

Proxy Configuration

Check with your service provider to obtain the correct proxy name and proxy port.

Wireless Information

Selecting this feature will show the signal strength of the wireless connection, the type of network chosen, the ESSID of the network, the channel used and the security level. You may need to adjust the position of your internet micro system in order to get the optimal reception (signal level = >10%).

Network Information

This feature reports the details of your network connection.

Product Information

Check the current system information.

Online Upgrade

This feature allows you to check for new software updates. If you are already a registered user, "My.Philips.com" will automatically notify you of any software updates by e-mail.

Reset Settings

Selecting this feature will revert the system to the default setting.

WARNING!

Restore the default settings erases all the information stored in the set options. You will remain registered at "My.Philips.com".

Note:

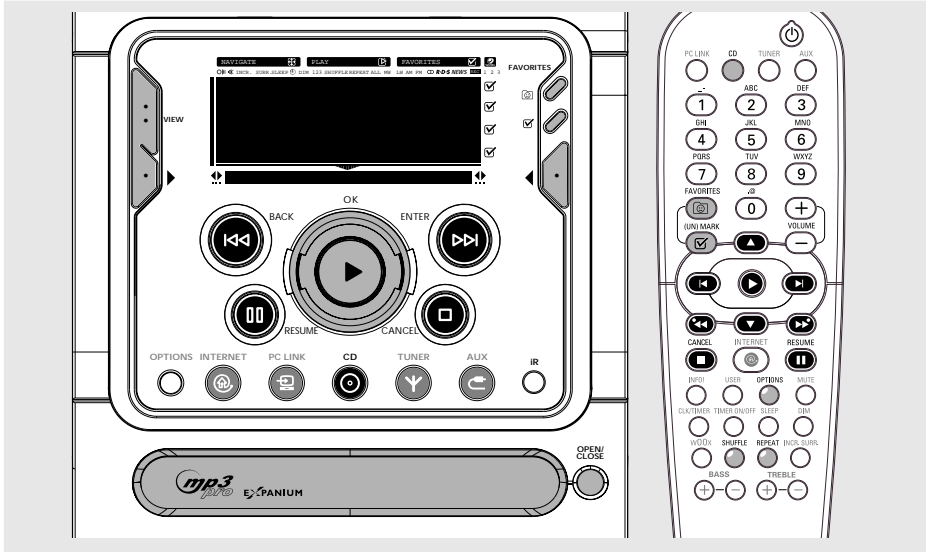
– *To terminate internet access when switching the source mode to CD or AUX, press OPTIONS and select accordingly.*

About "My.Philips.com"

"My.Philips.com" provides a personal online tool for managing your entertainment choices. It is an exclusive service to owners of Philips' premium internet-connected products. Once you have registered with "My.Philips.com", you will be able to :

- create and personalize your music selections.
- update on latest music releases or favorite artists.
- keep up with developments in technology and software.
- contact the music service providers.
- review and obtain information on artists and music tracks by pressing INFO! button.

CD/MP3-CD Operations



IMPORTANT!

- This system is designed for regular discs. Therefore, do not use any accessories such as disc stabilizer rings or disc treatment sheets.
- Do not load more than one disc into the tray.

Discs for playback

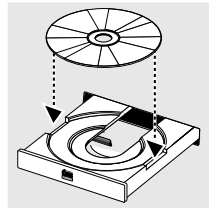
This system is able to play :

- All pre-recorded audio CDs
- All finalized audio CDR and audio CDRW discs
- CD's with MP3 and/or MP3PRO files (files end with .mp3)



Loading disc

- 1 Press **OPEN/CLOSE** to open the disc tray.
- 2 Load in a disc with the label side facing up.
- 3 Press **OPEN/CLOSE** again to close the disc tray.



- The system detects the type of disc being loaded, "CD" or "MP3 CD" is displayed.
- The system then starts to retrieve text information for the disc.

Notes:

- To ensure good system performance, wait until the disc tray completely reads the disc before proceeding.
- For MP3 discs, the disc reading time may exceed 10 seconds due to the large number of songs compiled onto one disc.

Basic operations

Playing a disc

- Press **▶**.

To interrupt playback

- Press **||**.
→ The current track time flashes.
- To resume playback, press **||** again.

To stop playback

- Press **■**.

Selecting a desired track/passage

To select a desired track

– While playing

- Press **⏮** or **⏭** (or **⏪** / **⏩**) on the remote control) repeatedly until the desired track is displayed.

– in stop mode

- Use the navigation jog (or press **▲** / **▼** on the remote control) until the desired track is highlighted.
- Press **▶** to start playback.

To search for a particular passage during playback

- Press and hold **⏮** or **⏭** (or **⏪** / **⏩** on the remote control) until the desired passage is located.
→ During searching, the volume will be reduced.

To skip to the beginning of the current track during playback

- Press **⏮** (**⏪**) **once**.

Repeat and Shuffle

You can select and change the various play modes before or during playback.

Repeat play

- 1 Press **REPEAT** on the remote control repeatedly to select the following :
→ **REPEAT TRACK** – repeat the current track.
→ **REPEAT ALL** – repeat the entire disc.
- 2 To resume normal playback, press **REPEAT** until "**REPEAT OFF**" is displayed.

Random play

- 1 Press **SHUFFLE** on the remote control.
→ **SHUFFLE** is shown and "**SHUFFLING**" is displayed.
→ All the tracks or favorite tracks (if favorite mode is active) will be played in random order.
- 2 To resume normal playback, press **SHUFFLE** again.
→ **SHUFFLE** disappears.

Playing a MP3-CD

- 1 Load in a MP3-CD.
→ "**ANALYZING DISC**" is shown.
 - 2 Press the soft key (**◀** or **▶**) to select the following options from the navigation view : **ALBUM** (directory name on disc), **PLAYLIST** or **TRACK** (file name).
 - 3 Use the navigation jog (or press **▲** / **▼** on the remote control) until the desired item is highlighted.
 - 4 Press **▶** to start playback.
- Pressing the **REPEAT** or **SHUFFLE** button will repeat or shuffle the last selected option.
→ **REPEAT** – repeat the current album / playlist / artist / track.
→ **REPEAT ALL** – repeat all albums / playlists / artists / tracks.
→ **SHUFFLE** – shuffle all albums / playlists / artists / tracks.

CD/MP3-CD Operations





- 1 The selected item is shown (album name, playlist name, artist name or MP3-CD name).
- 2 Track name.
- 3 Elapsed play time.
- 4 Artist name is shown. If 1 shows the artist name, then album name is shown here.
- 5 Next track name.

Marking favorite tracks

This feature allows you to mark your favorite tracks for easy playback the next time you load in the CD/MP3CD again. It can store up to a maximum of 50 tracks for a normal CD and 128 tracks for MP3-CD. Different users can store different favorites for the same CD/MP3CD using their individual user ID.

You can manage your CD/MP3-CD favorites in **My.Philips.com** (refer to "My.Philips.com" for more information).

- 1 Use the navigation jog (or press ▲ / ▼ on the remote control) to scroll through the tracks.
 - 2 Press **(UN)MARK** () to add into the favorite list.
 - The icon "  " appears next to the selected track.
- Repeat this step to select additional tracks to your favorite list.
 - The next selected track will appear at the end of the list.
 - If you attempt to program more than 50 (CD) / 128 (MP3-CD) tracks, "**NO MORE FAVORITES CAN BE ADDED**" is displayed.

Activating the favorites list

- Press **FAVORITES** ().

Deactivating the favorites list

- Press **CD**.



Playing a favorites list

- Press **FAVORITES** () followed by **OK** ().

Canceling a favorite track

- Press **(UN)MARK** () on the marked track.

Deleting all favorite tracks

- 1 Press and hold **(UN)MARK** () for more than **three seconds**.
 - "**DO YOU WANT TO DELETE CD FAVORITES?**" is displayed, followed by "**YES**" and "**NO**" options.
- 2 Press the soft key () on the system to select "**YES**".

Note:

- When **FAVORITES** is on, no additional tracks can be marked.

Artist and title information

The system is able to display artist and title information such as CD title, artist's name, musical genre, track titles and so forth (metadata).

CD

The tracks on the disc are displayed in numerical order when no CD information is available. If artist and title information is detected, the song titles will be displayed instead.



Requesting on-line audio CD information

- 1 While in CD mode, press **OPTIONS**.
→ A list of options is displayed on screen.



- 2 Use the navigation jog (or press ▲ / ▼ on the remote control) to select "**GET CD INFO**" and press **OK** (▶) to confirm.
→ The retrieved information will replace the default track numbers on your screen.

If more information is available, the screen will display "**MULTIPLE MATCHES**".

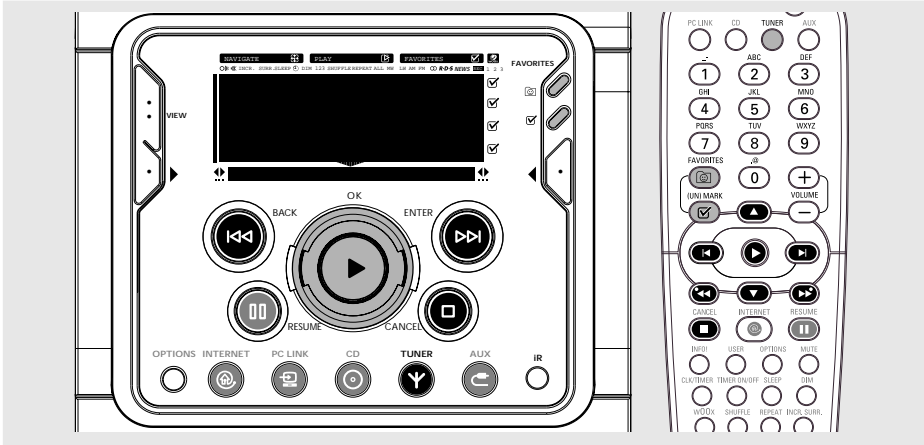
- Press **OPTIONS** and use the navigation jog to select "**NEXT CD INFO**" and press **OK** (▶) to confirm to access alternative CD information.

To return to default CD information (numerical order)

- Press **OPTIONS** and use the navigation jog to select "**RESET CD INFO**".
→ The tracks will be displayed numerically (for example, TRACK 1, TRACK 2, ...).

MP3-CD

If you want to replace the file names and directory names on your display by artist, album and track name, press **OPTIONS**. Use the navigation jog (or press ▲ / ▼ on the remote control) to select "**READ MP3CD INFO**" and press **OK** (▶) to confirm. To start reading this information, use the soft key to select "**YES**". This will take up to several minutes, but it only has to be done once for each MP3CD. You will now be able to access additional sort modes like artist name, album name or title information by pressing the soft keys (▶) or (◀).



Tuning to radio stations

- 1 Press **TUNER** to select TUNER mode.
→ "TUNER" is displayed. The current radio frequency will appear on the display.
→ If an FM station is received in stereo, ∞ is displayed.
 - 2 Press **TUNER** again to select the desired waveband : FM or AM.
 - 3 Press and hold \lll or \ggg (or \ll / \gg on the remote control) until the frequency indication starts to change, then release.
→ The display will show "SEARCHING..." until a radio station with sufficient signal strength is found.
 - 4 Repeat step 3 if necessary until you find the desired radio station.
- To tune to a weak station, press \lll or \ggg (\ll / \gg) briefly and repeatedly until optimal reception found.

Storing favorite radio stations

You can store up to 40 favorite radio stations in the memory. Favorites is always on in Tuner mode.


Automatic Preset Programming

- Plug and Play setting (refer to "Basic Functions - Plug and Play").
OR
- 1 Press **TUNER** to select TUNER mode.
 - 2 Press and hold **FAVORITES** [FAV] until "AUTO PROGRAM FAVORITE STATIONS?" is displayed, followed by "YES" and "NO" options.
 - 3 Press the soft key (▶) on the system to select "YES".
→ "AUTO PROGRAM IN PROGRESS..." is displayed.
→ All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by AM band.
→ When all the available radio stations are stored or the memory for 40 presets is used, the last preset radio station will be played.

To stop storing the automatic preset

- Press \blacksquare .

Manual Preset Programming

- 1 Tune to your desired radio station (refer to "Tuning to radio stations").
 - 2 Press **(UN)MARK** .
 - The current station will be stored in the next available preset number.
- Repeat **steps 1–2** to store other radio stations.



Notes:

- If a radio station has been stored in one of the presets, it will not be stored again under another preset number.
- The favorites function for this source is not user dependent. The same favorites list applies for all users.
- If you attempt to store more than 40 preset radio stations, "**NO MORE FAVORITES CAN BE ADDED**" is displayed.


Selecting a favorite radio station

- 1 Use the navigation jog (or press ▲ / ▼ on the remote control) to select the desired preset radio station from the favorite list.
 - 2 Press **OK** (▶) to confirm.
 - The preset number, radio frequency, and waveband are displayed.
- OR**
- Press ◀ / ▶ on the remote control.

Erasing a favorite radio station

- 1 Use the navigation jog (or press ▲ / ▼ on the remote control) to select a preset radio station from the favorite list.
- 2 Press **(UN)MARK** .
 - The  icon will disappear.
 - The preset numbers of all other preset stations in the waveband with a higher number are decreased by one.

Deleting all the favorite radio stations

- 1 In Tuner mode, press and hold **(UN)MARK**  for more than **3 seconds**.
- 2 Press the soft key (▶) on the system to select "**YES**".

Personalized and interactive features

Multiple users

This system allows personalization for multiple users. Your personal selections are bound to a user account. This feature is available for PC LINK, INTERNET and CD only.

Creating your user account

(Refer to "Preparations – Registration).

Selecting a user account

- 1 Press **USER** on the remote control.
→ The available user accounts will be displayed.



- 2 Use the navigation jog (or press ▲ / ▼ on the remote control) to select and then press **OK** (▶) to confirm.

Favorites

In any modes, you can easily manage your favorite tracks and stations by using the **FAVORITES** (📁) and **(UN)MARK** (🗑️) buttons.

Creating your favorites list

When in CD/PC LINK/INTERNET-mode, press **(UN)MARK** (🗑️) to add/remove tracks or stations to/from your favorites lists. In TUNER-mode, press **(UN)MARK** (🗑️) to save and delete radio stations and hold down **(UN)MARK** (🗑️) to auto program radio stations.

Accessing your favorites list

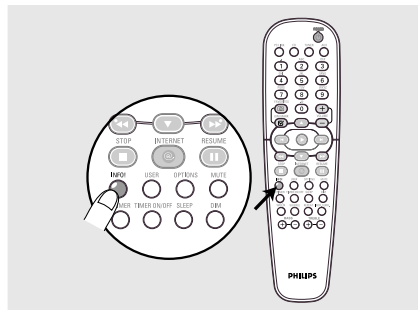
To play from the favorites list, press **FAVORITES** (📁), select a track or station, followed by **OK** (▶).

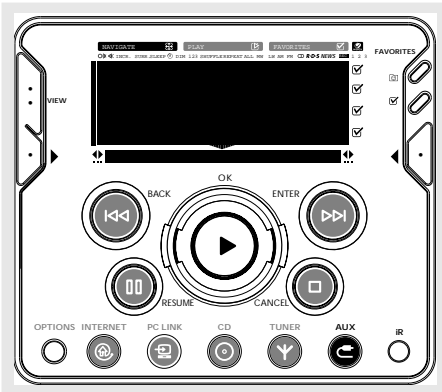
Returning to normal list (exit from favorites list)

Press the relevant source key (CD, PC LINK or INTERNET). For example, if you are currently in CD favorites list, pressing **CD** button will deactivate the favorites list and return to the normal list.

Getting extra information

Pressing the **INFO!** button sends extra information about the currently playing item to your email address. The INFO! function works within all source modes except TUNER and AUX.





This source enables you to connect external sound devices and play the sound through your system's built-in speakers.

Connecting an external device

- Connect the audio out terminals of the external device to the **AUX/CDR IN** terminals of your system.

Listening to an external source

- 1 Press **AUX** to select "AUX" when connected to a TV, VCR or Laser Disc player.
OR
 - Press **AUX again** to select "CDR/DVD" when connected to a CD recorder or DVD player.
- 2 Play the external device.
 - When CDR/DVD mode is selected, any audio equipment connected to the LINE OUT terminals of this micro system will be muted. You will not be able to record or listen to the sound on equipment connected to the LINE OUT terminal.

Notes:

- You are advised not to listen to and record from the same source simultaneously.
- All the sound control features (INCR. SURR., BASS/TREBLE, for example) are available for selection.
- Refer to the operating instructions for the connected equipment for details.

Maintenance

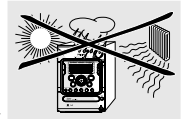
To clean a CD, wipe it in a straight line from the center toward the edge using a soft, lint-free cloth. A cleaning agent may damage the disc! Write only on the printed side of a disc and only with a soft felt-tipped pen.

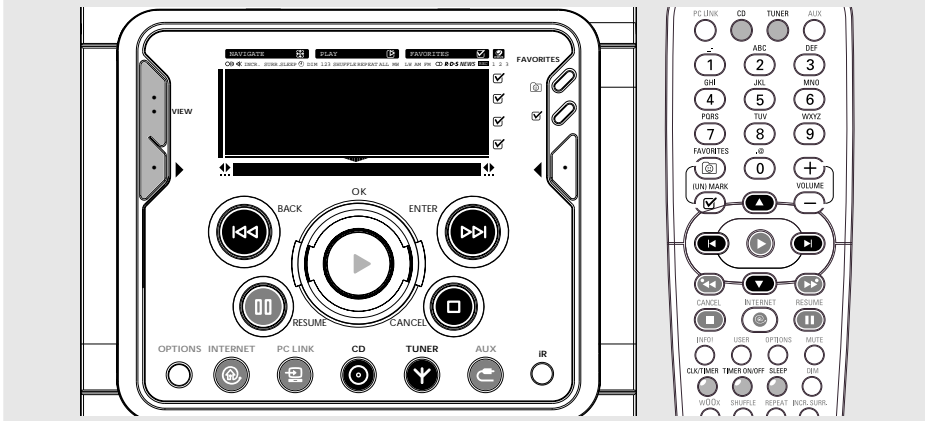


Clean the system with a soft, slightly dampened, lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.



Do not expose the system batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight). Always keep the disc tray closed to avoid dust on the lens.





IMPORTANT!

When in Eco Power standby mode, it is not possible to operate the clock or timer function.

View clock

The clock (if it is set) will be shown in standby mode.

To view the clock in any source mode (CD or TUNER for example)

- Press **CLK/TIMER** on the remote control.
 - The clock is displayed for a few seconds.
 - If the clock has not been set, "--:--" is displayed.

Clock setting

The clock can be set in either 12-hour or 24-hour mode ("12:00 AM" or "00:00", for example).

- 1 In standby or view clock mode, press **CLK/TIMER once**. In any other source modes, press **CLK/TIMER twice**.
 - "12:00 AM" or "00:00" starts flashing.
- 2 Press the left hand soft key (◀) to select 12- or 24- hour clock mode.
- 3 Press ◀◀ or ▶▶ (or ◀ / ▶ on the remote control) to switch between hour or minutes setting.
 - The hour or minutes digits flash.

- 4 Use the navigation jog (or press ▲ / ▼ on the remote control) to set the hour and minutes.
- 5 Press **CLK/TIMER** again to store the setting.
 - The clock starts working.

To exit without storing the setting

- Press ■.

Notes:



- The clock setting will be cancelled when the power cord is disconnected or if a power failure occurs.
- During clock setting, if no button is pressed within 90 seconds, the system will exit clock setting mode automatically.

Timer setting

The system can switch on to CD, TUNER, INTERNET or PC LINK mode automatically at a preset time, serving as an alarm to wake you up.

IMPORTANT!

- Before setting the timer, ensure that the clock is set correctly.
- The timer will always be switched on after it has been set.
- The volume of the timer will increase gradually from the minimum level to the last tuned volume level.
- The system will switch to standby mode if no button is pressed within 30 minutes after timer wake up.

- 1 Press and hold **CLK/TIMER** for more than **two seconds** to select timer mode.
 - "12:00 AM" or "00:00" or the last timer setting starts flashing.
 -  starts flashing.
 - The selected source will be lighted while other available sources are flashing.
- 2 Press **CD, TUNER, INTERNET** or **PC LINK** to select the desired source.
 - For CD mode, the timer will wake up by playing the first track of the disc or favorite list. If the disc tray is empty, it will switch to Tuner mode.
 - For Tuner mode, the timer will wake up by playing the last tuned radio station.
 - For INTERNET or PC LINK mode, the timer will wake up by playing the last streamed music. If the connection fails, it will switch to Tuner mode.
- 3 Press **◀◀** or **▶▶** (or **◀** / **▶**) on the remote control) to switch between hour or minutes setting.
 - The hour or minutes digits flash.
- 4 Use the navigation jog (or press **▲** / **▼** on the remote control) to set the hour and minutes.
- 5 Press **CLK/TIMER** to store the timer:
 - "TIMER", the set timer "XX:XX" and the selected source will be displayed.
 -  remains on the display.
- At the preset time, the selected sound source will play.

To exit without storing the setting

- Press **■**.

Note:

– During timer setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.

Checking the timer

- Press **CLK/TIMER once** on the remote control.
 - If the timer has been activated, the set timer information is displayed.

Activate/deactivate the timer

- Press **TIMER ON/OFF** repeatedly on the remote control.
 - If activated, the last set timer information is displayed for a few seconds.
 - If deactivated, "TIMER OFF" is displayed.

Sleep timer setting

The sleep timer enables the system to switch to standby mode automatically at a preset time.

- 1 Press **SLEEP** on the remote control repeatedly to select a preset time.
 - The selections are as follows (time in minutes):
15 → 30 → 45 → 60 → 90 → 120 → OFF → 15 ...
 - "XX MINUTES" or "OFF" is displayed. "XX" is the time in minutes.
- 2 When you reach the desired length of time, stop pressing the **SLEEP** button.
 - **SLEEP** is shown, except for "OFF" mode.
 - The sleep timer is now set. Before the system switches to standby mode, a countdown of 10 seconds is displayed.
"10 SECONDS" → "9 SECONDS"...
→ "1 SECOND" → "SLEEP"

To check the remaining length of time after sleep timer is activated

- Press **SLEEP once**.

To change the preset sleep timer

- Press **SLEEP** again while the remaining sleep timer is shown.
 - The display will show the next sleep timer options.

To deactivate the sleep timer

- Press **SLEEP** repeatedly until "OFF" is displayed,

Specifications

AMPLIFIER

Output power 100 W total power
..... 2 x 50 W RMS / 2 x 40 W FTC⁽¹⁾
Signal-to-noise ratio ≥ 70 dBA (IEC)
Frequency response 50 – 16000 Hz, ± 3 dB
Input sensitivity
AUX In / CDR/DVD In 500 mV / 1V
Output
Speakers $\geq 6 \Omega$
Headphones $32 \Omega - 1000 \Omega$
Subwoofer Out 1.3V ± 2 dB, $> 22000 \Omega$
Line Out 500 mV ± 2 dB, $> 22000 \Omega$
(1) (6 Ω , 60 Hz – 12.5 kHz, 10%THD)

INTERNET / PC LINK / MP3-CD

Input
RJ45 jack IEEE 802.3
MP3 specifications
Frequency response (256 kbps) 63 – 14000 Hz
Signal-to-noise ratio ≥ 67 dBA
Channel separation ≥ 40 dB (1 kHz)
Total harmonic distortion (256 kbps) ... $< 0.05\%$
Bit rate 32 – 256 kbps
Sampling frequencies
..... 16, 22.05, 24, 32, 44.1, 48 kHz

DISC PLAYER

Number of favorite tracks CD - 50
..... MP3-CD - 128
Frequency response 20 – 20000 Hz
Signal-to-noise ratio ≥ 76 dBA
Channel separation ≥ 79 dB (1 kHz)
Total harmonic distortion $< 0.02\%$ (1 kHz)

TUNER

FM wave range 87.5 – 108 MHz
AM wave range 530 – 1700 kHz
Number of presets 40
Antenna
FM 300 Ω dipole wire
AM Loop antenna

SPEAKERS

Front left/right

System 2-way speaker system with
top firing wOOx membrane
Impedance 6Ω
wOOx 1 x 5" top firing wOOx membrane
Woofer 1 x 5.25" aluminium cone
Tweeter 1 x 1" cone
Dimensions (w x h x d) . 180 x 244 x 227 (mm)
..... 7.09 x 9.61 x 8.93 (inches)
Weight 3 kg each
..... 6.6 pounds each

GENERAL

Material/finish Polystyrene/Metal
AC Power 120V / 60 Hz
Power Consumption
Active 80 W
Standby < 15 W
Eco Power Standby < 0.5 W
Dimensions (w x h x d) .. 175 x 244 x 366 (mm)
..... 6.89 x 9.61 x 14.41 (inches)
Weight (without speakers) 5.0 kg / 11 pounds
Wireless compliant to the IEEE 802.11b

Specifications and external appearance are subject to change without notice.

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service center.

| Problem | Solution |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CD/MP3-CD OPERATIONS | |
| “NO CD AVAILABLE! PLEASE INSERT CD” is displayed. | <ul style="list-style-type: none"> – Insert a disc. – Check if the disc is inserted upside down. – Wait until the moisture condensation at the lens has cleared. – Replace or clean the disc (see “Maintenance”) |
| “UNRECOGNIZED DISC FORMAT” is displayed. | <ul style="list-style-type: none"> – Check for any scratches or smudges on the disc. – Replace or clean the disc (see “Maintenance”). |
| CONNECTION TO INTERNET | |
| The set does not connect to the internet. | <ul style="list-style-type: none"> – Press INTERNET again. – Make sure you have configured your home network correctly (try connecting to the internet from a PC on the same network). |
| Do not get audio from the product even though the connection to the internet from PC is working. | <ul style="list-style-type: none"> – Check your network settings in the product. |
| On some music services, the music has “hiccups”. | <ul style="list-style-type: none"> – Try to change the Audio Buffer settings in the set options. |

Troubleshooting

RADIO RECEPTION

Radio reception is poor.

- If the signal is too weak, adjust the antenna or connect an external antenna for better reception.
 - Increase the distance between the Micro System and your TV or VCR.
-

GENERAL

The system does not react when buttons are pressed.

- Remove the AC power plug for one minute. Then reconnect and switch on the system again.
-

Sound cannot be heard or is of poor quality.

- Adjust the volume.
 - Disconnect the headphones.
 - Check that the speakers are connected correctly.
 - Check if the stripped speaker wire is clamped into the speaker terminal.
 - Make sure the MP3-CD was recorded within 32-256 kbps bit rate with sampling frequencies at 16 kHz, 22.05 kHz, 48 kHz, 44.1 kHz or 32 kHz.
-

The left and right sound outputs are reversed.

- Check the speaker connections and location.
-

The remote control does not function properly.

- Select the source (CD or TUNER, for example) before pressing the function button (▶, ◀, ▶).
 - Reduce the distance between the remote control and the system.
 - Insert the batteries with their polarities (+ / - signs) aligned as indicated.
 - Replace the batteries.
 - Point the remote control directly toward the IR sensor on the front of the system.
-

The timer is not working.

- Set the clock correctly.
 - Press TIMER ON/OFF to switch on the timer.
-

Not all buttons are lit.

- Press DIM to select DIM OFF display mode.
-

The Clock/Timer setting is erased.

- Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.
-

LIMITED WARRANTY

AUDIO SYSTEM

One Year Free Labor

One Year Free Service on Parts

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For one year thereafter, all parts will be repaired or replaced, and labor is free. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips. In countries where Philips does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual for assistance. If you have additional questions, call us at 1-800-531-0039.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)

1-800-531-0039 (English or Spanish Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 520890, Miami, FL 33152, USA, (402) 536-4171

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